

EPA Registration Number 45385-98 Vol 1

EPA

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FBI

ID NO. 45385-98

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INDEX

REGISTRANT

CTX-CENOL INCORPORATED
P.O. BOX 472
TWINSBURG, OH 44087

SUBJECT

SUBMISSION OF FINAL LABEL

PRODUCT NAME

CHEMTOX CENOL 0.25% MULTIPURPOSE INSECTICIDE
EPA REG. NO. 54385-98

A.I. 0.25% PERMETHRIN

PAGE

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3 PAGE LETTER to: MR. GEORGE T. LARocca..PM-13 ... 2
EPA FORM 8570-1 - AMENDMENT... #45385-98..... 3
2 COPIES OF THE 2 PAGE UNIT LABEL. 4,5

- a. RETURN POSTCARD; EPA ACKNOWLEDGEMENT OF RECEIPT.
b. TWO RETURN H. R. MCLANE, INC. ADDRESS STICKERS.

3555

JUN 3 0 2004



H. R. McLANE, INC.

7210 Red Road, Suite 206A - Miami, Florida 33143-5321 U.S.A.
Phone 305 661 1706 - Fax 305 661 3036 - E-Mail <hrmclane@bellsouth.net>
Chemical Consultants in EPA Regulatory Affairs
FIFRA Licensing & Registrations - Since 1956

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Cover ltr page 1 of 1

JUNE 30, 2003

MR. GEORGE T. LARocca PM-13
DOCUMENT PROCESSING DESK (FINALAB)
OFFICE OF PESTICIDE PROGRAMS (7505C)
ENVIRONMENTAL PROTECTION AGENCY
ARIEL RIOS BUILDING
1200 PENNSYLVANIA, AVE. N.W.
WASHINGTON, D. C. 20460-0001

Registrant: EPA REG. NO.45385-98
CTX CENOL INCORPORATED; EPA EST. NO. 45385
P.O. BOX 472 - TWINSBURG, OH 44087
Subject: SUBMISSION OF 2 COPIES OF FINAL ACCEPTED LABEL.
Product: "CENOL 0.25% MULTIPURPOSE INSECTICIDE."
EPA REG. NO.45385-98

DEAR MR. LARocca:

Enclosed you will find the following information to
process the the submission of this final ACCEPTED label.

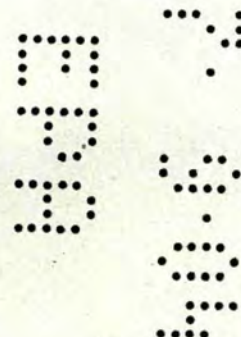
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COVER LETTER to MR. GEORGE T. LARocca PM-13.....	2
EPA FORM 8570-1 (FINALAB) (EPA REG NO. 45385=98....	3
5 COPIES OF THE 2 PAGE FINAL LABEL.	4,5

THESE FINAL LABELS HAVE BEEN REVISED TO AGREE WITH THE 8
COMMENTS INCLUDED IN THE EPA ACCEPTANCE LETTER DATED
JUNE 19, 2004.

Sincerely
H. R. MCLANE, INC.

H. R. McLane, Ph.D.... Agent for
MR. BART BAKER - VICE PRESIDENT.

HRM/nb/ encl: as above. cc/BB/CTXCENOL



**EPA**

United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Final Label

EPA
Registration No.
45385-98

Page 3 of 5

Application for Pesticide Section I**Final Label****Date: June 30, 04**

1. Company / Product Number: 45385-98		2. EPA Product Manager Mr. George T. LaRocca		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
4. Company Product Name CHEM-tox CENOL 0.25% MULTIPURPOSE INSECTICIDE		PM Number - 13			
5. Name and address of Applicant: (Include Zip Code) CTX Cenol Corporation P.O. Box 472 Twinsburg, OH, 44078 <input type="checkbox"/> Check if this is a new address		6. Expedite Review. In accordance with FIFRA Section 3(c)(3) (b)(i), My product is similar or identical in composition and labeling to: EPA Reg. No. <u>N/A</u> Product Name: <u>N/A</u>			

Section II

<input checked="" type="checkbox"/> Amendment- Explain below (PRN's 2001-1 & 2001-6)	<input checked="" type="checkbox"/> Final Printed Labels in response to EPA Acceptance letter June 19, 2004
<input type="checkbox"/> Resubmission in response to Agency Letter Dated: _____	Me Too Applications,
<input type="checkbox"/> Notification - Explain Below	Other Explain below

Explanation: Use additional pages if necessary (For Section I and Section II)

This is the submission of the Final Label, as requested in the Acceptance letter dated June 19, 2004. We submit THE 2 copies which have been revised as per the 8 comments in that letter. Please place these as a permanent portion of the file. Thank you.

Section III

1. Material This Product will be packed in:		2. Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Certification must be submitted Date: _____	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging Wgt. No. Per Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package Wgt. No. Per Container	<input checked="" type="checkbox"/> Metal (Poly Lined) <input checked="" type="checkbox"/> Plastic <u>HDPE</u> (Fluorine treated) <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other "BAREX"
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1 Qt. 1: 2 1/2: 5: Gallon	5. Location of label directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> Label accompanying product
6. Manner in which label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled		Other	

Section IV

Contact Point (Complete items below for Identification of individual to be contacted if necessary to process this application.)

Name: H. R. McLane, Inc. 7210 Red Rd. suite 206A miami, FL 33143	Title: Agent 305-661-1706 CTX Cenol Corporation	Telephone No. (Include Area code) 1-800-321-3421
---	--	--

Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application received (Stamped)
2. Signature: By H. R. McLane 	3. Title Agent	
4. Typed Name of registrant Mr. Bart Baker; Vice President CTX Cenol Corporation	5. Date JUN 30 2004	
6. Date Application received (Stamped) 06-30-04		

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides. **SHAKE WELL BEFORE USING**

FOR INDOOR RESIDENTIAL

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors. "Ready to use". Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING.

FOR 60 DAY (TWO MONTHS) CONTROL OF COCKROACHES, WATER BUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment in 1 weeks if required.

TO CONTROL BEDBUGS:

Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment the next day if required. Allow all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS: (ADULTS and LARVAE) and TICKS: (ADULTS and LARVAE):

Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment the next day if required. Allow to dry thoroughly before allowing pets to contact treated areas.

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses, and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated particles to dry thoroughly before use.

CHEMtoXTM

CENOL 0.25%

MULTI PURPOSE INSECTICIDE

• FOR DOMESTIC USE INDOORS and OUTDOORS

- FOR LIVESTOCK AND PREMISE USE..... **READY-TO-USE**
- FOR CONTROL OF HOUSEHOLD PESTS.
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.
- FOR CONTROL OF PESTS ON LIVESTOCK.
- With COUNTRY FRESH FRAGRANCE.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF FLEAS.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS.
- Dilute for use on vegetables, and fruit, and nut trees, ornamental trees, and pests on the outdoor surfaces of buildings.

KEEP OUT OF REACH OF CHILDREN

See side panels for additional Precautionary Statements.

STOP: Read Label Before Use

ACTIVE INGREDIENT:

Permethrin CAS [52645-53-1] - - - - 0.25%

OTHER INGREDIENTS:

- - - - 99.75%

Total 100.00%

Order Code 0-312

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01

PET USE APPLIES TO USE ONLY ON DOGS

PRECAUTIONARY STATEMENTS

Environmental Hazards

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water.

STORAGE AND DISPOSAL

Do not contaminate water when disposing of equipment washwaters.

STORAGE: Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used, carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Containers larger than 1 gallon- Metal: -Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic: - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned stay out of smoke.

IF EMPTY: Do not reuse this container. Place in trash or offer for recycling if available.

IF PARTLY FILLED: Call your local waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above.

Net Contents: 1 Gallon = 3.785 Liters

Label 0-1 OF 2

DIRECTIONS FOR USE continued

LIVESTOCK PESTS

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application.

ON LIVESTOCK. To protect cattle (beef and dairy), Goats, sheep, hogs, and horses from Horn Flies, Face Flies, House Flies, Mosquitoes, and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but **do not spray into eyes.**

TO CONTROL STABLE FLIES, HORSE FLIES, AND DEER FLIES: Apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOODSUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

FOR POULTRY INSECTS

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

FOR INSECT PESTS ON DOGS

ON DOGS ONLY: TO CONTROL FLEAS, TICKS, AND LICE:

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Ready To Use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure the spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary. **DO NOT USE ON CATS OR KITTENS.**

FOR USE OUTDOORS

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY

AREAS: Ready To Use. Affix trigger, pump, or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACES OF BUILDINGS

Ready-To-Use. To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats, and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects. Spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use. (12-30-03 copy accepted and revised for comments -6-30-04)

OUTDOOR APPLICATIONS

ORNAMENTAL FLOWER GARDENS Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application. For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles, hit by spray as well as "Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites, and Leafminers. May be used on plants as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading into large garden areas. May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jew and zinnias.

Effective when used as directed against "Whiteflies, Aphids, Spiders" and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms. When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: Pine Moths, Pine Needle Miners, Pine Beetles, and Needle Scales on pine; Budworms on conifers; Oakworms on oak, Fall Webworms on hickory, elm and honeysuckle; Aphids on tulip poplar; Citrus blackflies on non-bearing citrus; Tussock Moths on Douglas and grand firs; Elm Leaf Beetles and Elm Spanworms on elms. Flush sprayer with clean water after each use.

FOR HOME VEGETABLE GARDENS

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Spray upper and lower leaf surfaces as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row; (13 ounces of diluted mixture per 100 square feet.) Flush sprayer with clean water after each use.

HOME OWNER GROWN FRUIT AND NUT TREES

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 fluid oz.'s of water; (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use. (accepted 06-19-04, final 06-30-04.)

CONDITIONS OF SALE:

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be accurate and should be followed carefully, however it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CTX CENOL INC. All such risks shall be assumed by the user or buyer. **Disclaimer of Warranties:** There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of CTX CENOL INC. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. CTX CENOL INC. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at CTX CENOL INC.'s option, the replacement of the product.

IMPORTANT

In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-472-0660, or for Emergency Medical Treatment advise; call: 1800-858-7378.

VEGETABLE	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Sprays plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery see below: Leafy Vegetables		
Broccoli, Brussels Sprouts, Cabbage, Cauliflower.	Beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper.	Apply every 5 days or as needed. Can be applied up to one day prior to harvest Do not make more than 10 applications on cabbage and not more than 8 applications on Broccoli, Brussels Sprouts, & Cauliflower per season.
Corn - see Sweet Corn below. CUCURBITS:		
Balsam pear, (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds. Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon. Eggplant	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, Leafminers, melon worms, pickleworms, plant bugs, and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.
Horseradish	Colorado potato beetles, vegetable leafminers.	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Leafy Vegetables	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum, (edible-leaved and garland) cress (garden and upland), dandelion, dock, endive, fennel, lettuce (head & leaf) orach, parsley, purslane (garden and winter), rhubarb, Spinach, Swiss chard, Melons - See Cucurbits	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Potatoes	Beet armyworms, Colorado Potato beetles, potato beetles, potato leafhoppers, potato aphids, potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 prior to harvest.
Peppers	Vegetable Leafminers, Cabbage loopers, Flea Beetles, Corn earworms, southern armyworms, pepper weevils, European Corn Borers.	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest.
Sweet Corn	Corn earworms, European Corn Borer, Fall armyworms, Southern Armyworms.	Spray plants every 5 day's and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Beet and southern armyworms, Tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado Potato beetles, cabbage loopers.	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.
TREES Fruit or Nut Almonds	Navel orange worms, peach twig borers,	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	plum curculio, red banded leaf rollers, rosyapple aphids, spotted tentiform leafminers, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth.	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears	pear psyllid, green fruitworms, and codling moth.	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.

NOT REVIEWED
In accordance with FR Notice 82-2
based on draft labeling dated 6/19/04

CTX CENOL
INCORPORATED
P.O. Box 472
Twinsburg, OH 44087

CHEMtoxx™
CENOL 0.25% MULTIPURPOSE INSECTICIDE

DIRECTIONS FOR USE

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Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides. **SHAKE WELL BEFORE USING**

FOR INDOOR RESIDENTIAL

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors. **"Ready to use"**. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING

FOR 60 DAY (TWO MONTHS) CONTROL OF COCKROACHES, WATER BUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment in 1 weeks if required.

TO CONTROL BEDBUGS:

Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment the next day if required. Allow all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS: (ADULTS and LARVAE) and TICKS: (ADULTS and LARVAE):

Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment the next day if required. Allow to dry thoroughly before allowing pets to contact treated areas.

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses, and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated particles to dry thoroughly before use.

CHEMtoX™

CENOL 0.25%

MULTI PURPOSE INSECTICIDE

• FOR DOMESTIC USE INDOORS and OUTDOORS

- FOR LIVESTOCK AND PREMISE USE..... **READY-TO-USE**
- FOR CONTROL OF HOUSEHOLD PESTS.
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.
- FOR CONTROL OF PESTS ON LIVESTOCK.
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- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF FLEAS.
- PROVIDES 60 DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS.
- Dilute for use on vegetables, and fruit, and nut trees, ornamental trees, and pests on the outdoor surfaces of buildings.

KEEP OUT OF REACH OF CHILDREN

See side panels for additional Precautionary Statements.

STOP: Read Label Before Use

Order Code 0-312

ACTIVE INGREDIENT:

Permethrin CAS [52645-53-1] - - - - 0.25%

OTHER INGREDIENTS: - - - - 99.75%

Total 100.00%

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01

PET USE APPLIES TO USE ONLY ON DOGS

PRECAUTIONARY STATEMENTS

Environmental Hazards

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water.

STORAGE AND DISPOSAL

Do not contaminate water when disposing of equipment washwaters.

STORAGE: Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

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CONTAINER DISPOSAL: Containers larger than 1 gallon- Metal: -Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic: - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned stay out of smoke.

IF EMPTY: Do not reuse this container. Place in trash or offer for recycling if available.

IF PARTLY FILLED: Call your local waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above.

Net Contents: 1 Gallon = 3.785 Liters

DIRECTIONS FOR USE continued

Label 0-1 OF 2

LIVESTOCK PESTS

Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application.

ON LIVESTOCK. To protect cattle (beef and dairy), Goats, sheep, hogs, and horses from Horn Flies, Face Flies, House Flies, Mosquitoes, and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but **do not spray into eyes.**

TO CONTROL STABLE FLIES, HORSE FLIES, AND DEER FLIES: Apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOODSUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

FOR POULTRY INSECTS

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

FOR INSECT PESTS ON DOGS

ON DOGS ONLY: TO CONTROL FLEAS, TICKS, AND LICE:

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. **Ready To Use.** Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure the spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary. **DO NOT USE ON CATS OR KITTENS.**

FOR USE OUTDOORS

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY

AREAS: Ready To Use. Affix trigger, pump, or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACES OF BUILDINGS

Ready-To-Use. To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats, and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects. Spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use. (12-30-03 copy accepted and revised for comments -6-30-04)

OUTDOOR APPLICATIONS

ORNAMENTAL FLOWER GARDENS Ready To Use. Affix trigger, pump or other type spray head to container or use a clean sprayer for application. For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles, hit by spray as well as "Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites, and Leafminers." May be used on plants as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading into large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jew and zinnias.

Effective when used as directed against "Whiteflies, Aphids, Spiders" and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms. When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: Pine Moths, Pine Needle Miners, Pine Beetles, and Needle Scales on pine; Bark beetles on conifers; Oakworms on oak, Fall Webworms on sycamore, elm and honeysuckle; Aphids on tulip poplar; Citrus blackflies on non-bearing citrus; Tussock Moths on Douglas and grand Fir; Elm Leaf Beetles and Elm Spanworms on elms. Flush sprayer with clean water after each use.

FOR HOME VEGETABLE GARDENS

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Spray upper and lower leaf surfaces as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row; (13 ounces of diluted mixture per 100 square feet.) Flush sprayer with clean water after each use.

HOME OWNER GROWN FRUIT AND NUT TREES

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 fluid oz. of water; (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use. (accepted 06-19-04 final 06-30-04.)

CONDITIONS OF SALE:

Read the entire Directions for Use, Conditions, Disclaimer of Warranties, and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened container at once. By using this product, user and buyer accept the following Conditions, Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be accurate and should be followed carefully, however it is impossible to eliminate all risks associated with the use of this product. Injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CTX CENOL INC. All such risks shall be assumed by the user or buyer. Disclaimer of Warranties: There are no warranties express or implied, of merchantability or of fitness for a particular purpose or otherwise, which extend beyond the statements made on this label. No agent of CTX CENOL INC. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. CTX CENOL INC. disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATION OF WARRANTIES: The exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price, or at CTX CENOL INC.'s option, the replacement of the product.

IMPORTANT

In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-472-0660, or for Emergency Medical Treatment advise; call: 1800-858-7378.

VEGETABLE	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Sprays plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery see below: Leafy Vegetables		
Broccoli, Brussels Sprouts, Cabbage, Cauliflower.	Beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper.	Apply every 5 days or as needed. Can be applied up to one day prior to harvest Do not make more than 10 applications on cabbage and not more than 8 applications on Broccoli, Brussels Sprouts, & Cauliflower per season.
Corn - see Sweet Corn below.		
CUCURBITS:		
Balsam pear, (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds. Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon. Eggplant	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, Leafminers, melon worms, pickleworms, plant bugs, and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.
Horseradish	Colorado potato beetles, vegetable leafminers.	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Leafy Vegetables	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum, (edible-leaved and garland) cress (garden and upland), dandelion, dock, endive, fennel, lettuce (head & leaf) orach, parsley, purslane (garden and winter), rhubarb, Spinach, Swiss chard, Melons - See Cucurbits	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Potatoes	Beet armyworms, Colorado Potato beetles, potato beetles, potato leafhoppers, potato aphids, Potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 prior to harvest.
Peppers	Vegetable Leafminers, Cabbage loopers, Flea Beetles, Corn earworms, southern armyworms, pepper weevils, European Corn Borers.	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest.
Sweet Corn	Corn earworms, European Corn Borer, Fall armyworms, Southern Armyworms.	Spray plants every 5 day's and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Beet and southern armyworms, Tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado Potato beetles, cabbage loopers.	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.
TREES - Fruit or Nut		
Almonds	Navel orange worms, peach twig borers,	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	plum curculio, red banded leaf rollers, rosy apple aphids, spotted tentiform leaf miners, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth.	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears	pear psyllid, green fruitworms, and codling moth.	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.

NOT REVIEWED
In accordance with PR Notice 82-2
based on draft labeling dated 6/19/04

CTX
CENOL
INCORPORATED
P.O. Box 472
Twinsburg, OH 44087

CHEM-tox™

CENOL 0.25% MULTIPURPOSE INSECTICIDE



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

JUN 15 2004

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

H. R. McLane, Ph.D.
H.R. McLane, Inc.
7210 Red Road, Suite 206
Miami, Florida 33143-5321

Subject: Label Amendment to Update First Aid Statements (PR Notice 2001-1) and
Storage and Disposal Instructions (PR Notice 2001-6)

CENOL, 0.25% Multipurpose Insecticide
EPA Reg. No. 45385-98
Your Submission Dated December 30, 2003

Dear Dr. McLane:

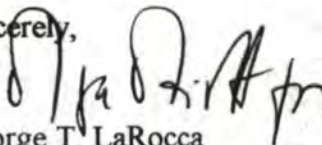
The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. Since the product is in Toxicity Category IV for all routes of exposure, the Signal Word, Hazards to Humans and Domestic Animals, and First Aid statements are not required. You may delete these statements. Note that the Child Hazard Warning is still required.
2. Revise the 7th and 8th bullets on the front and rear panels to read:
 - Provides 60 day (two months) control of fleas
 - Provides 60 day (two months) control of stored product pests.

3. Revise the last bullet on the front panel and 3rd bullet on the back panel to read: *"Dilute for use on vegetables, fruit and nut trees, ornamental trees, and pests on the outdoor surface of buildings"*.
4. Add *"...and other aquatic organisms"* to the first sentence under Environmental Hazards.
5. Move the sentence *"Do not contaminate water, food, or feed by storage and disposal"* directly under the subheading "Storage and Disposal".
6. Delete: *"Repeat treatment as needed"* throughout or identify a specific repeat interval based upon efficacy data of the product.
7. The precaution *"Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container"* is for indoor residential application uses only. You may delete these statements for livestock and outdoor application uses or replace with *"Affix trigger, pump or other type spray head to container or use clean sprayer for application"*.
8. Delete the term *"Cole crops"*.
9. Under Disclaimer of Warranties revise the statement beginning with: *"CTX Cenol, Inc. disclaims any liability whatsoever..."* to read: *"To the extent permitted by law CTX Cenol, Inc. disclaims any liability whatsoever..."*. As currently written the statement negates and/or detracts from labeling requirements as set forth by the Agency in 40 CFR Part 156, and is, therefore, considered misbranding.

If you have any questions regarding this action, please contact Olga Odiott of my team at (703) 308-9369.

Sincerely,



George T. LaRocca
Product Manager (13)
Insecticide Branch
Registration Division (7505C)

Enclosure

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides.

SHAKE WELL BEFORE USING

INDOOR APPLICATION FOR HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors. Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING

FOR 60 DAY (TWO MONTHS) CONTROL OF COCK ROACHES, WATER BUGS, PALMETTO BUGS, SCORPIONS,

MILLIPEDES, CENTIPEDES, SOW-BUGS, PILLBUGS, ANTS, SILVER-FISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry.

TO CONTROL CARPET BEETLES:

Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment as needed.

CONTROL BEDBUGS:

Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed. Allow all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS: (ADULTS and LARVAE) and**TICKS: (ADULTS and LARVAE):**

Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment as needed. Allow to dry thoroughly before allowing pets to contact treated areas.

CHEM^otox[™]

CENOL 0.25%

MULTI PURPOSE INSECTICIDE

• FOR DOMESTIC USE INDOORS and OUTDOORS

- FOR LIVESTOCK AND PREMISE USE..... **READY-TO-USE**
- FOR CONTROL OF HOUSEHOLD PESTS.
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS
- FOR CONTROL OF PESTS ON LIVESTOCK
- With COUNTRY FRESH FRAGRANCE
- PROVIDES 60 DAY (TWO MONTHS)
- CONTROL OF FLEAS PROVIDES 60 DAY (TWO MONTHS).
- CONTROL OF STORED PRODUCT PESTS
- **DILUTE FOR USE** ON VEGETABLES and FRUIT AND NUT TREES.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STOP: Read Label Before Use

See side panels for additional Precautionary Statements.

ACTIVE INGREDIENT:

Permethrin CAS[52645-53-1] - - - - 0.25%

OTHER INGREDIENTS: - - - - 99.75%

Total 100.00%

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01

Net Contents: 1 Gallon / 3.785 Liters

READ ENTIRE LABEL BEFORE EACH USE**PET USE APPLIES TO USE ONLY ON DOGS**

Order Code 0-312

PRECAUTIONARY STATEMENTS**Hazards To Humans & Domestic Animals**

CAUTION: Wash thoroughly after handling and before smoking or eating. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry.

Environmental Hazards

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

STORAGE: Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used, carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL Containers larger than 1 gallon- **Metal:** -Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. **Plastic:** - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned stay out of smoke.

IF EMPTY: Do not reuse this container. Place in trash or offer for recycling if available.

IF PARTLY FILLED: Call your local waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above. (12-30-03)

FIRST AID

IF SWALLOWED - Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES - Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment.

You may also call 1-800-858-7378 for emergency medical treatment advice.

INDOOR DIRECTIONS FOR USE

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated particles to dry thoroughly before use.

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TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

ON DOGS: TO CONTROL FLEAS,

TICKS, AND LICE: Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. **Ready To Use.** Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure the spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary.

DO NOT USE ON CATS OR KITTENS.

OUTDOOR APPLICATION**TO HELP CONTROL TICKS IN OUTDOOR**

ACTIVITY AREAS: Ready To Use. Affix trigger, pump, or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACE OF

BUILDINGS: To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats, and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects.

DILUTE BEFORE USING. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use.

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May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

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FOR HOME VEGETABLE GARDENS

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HOME OWNER GROWN FRUIT AND NUT TREES

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 fluid oz.'s of water; (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use. 12-30-03.

VEGETABLE	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Sprays plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery, see LEAFY VEGETABLES		
COLE CROPS, Broccoli, Brussels Sprouts, Cabbage, Cauliflower.	Beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper.	Apply every 5 days or as needed. Can be applied up to one day prior to harvest Do not make more than 10 applications on cabbage and not more than 8 applications on Broccoli, Brussels Sprouts, & Cauliflower per season.
Corn - see Sweet Corn. below CUCURBITS: Balsam pear, (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds. Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon. Eggplant	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, Leafminers, melon worms, pickleworms, plant bugs, and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.
Horseradish	Colorado potato beetles, vegetable leafminers.	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Leafy Vegetables Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum, (edible- leaved and garland) cress (garden and upland), dandelion, dock, endive, fennel, lettuce (head & leaf) orach, parsley, purslane (garden and winter), rhubarb, Spinach, Swiss chard, Melons - See Cucurbits	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
Potatoes	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Peppers	Beet armyworms, Colorado Potato beetles, potato beetles, potato leafhoppers, potato aphids, Potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 prior to harvest.
Sweet Corn	Vegetable Leafminers, Cabbage loopers, Flea Beetles, Corn earworms, southern armyworms, pepper weevils, European Corn Borers.	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest.
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Corn earworms, European Corn Borer, Fall armyworms, Southern Armyworms.	Spray plants every 5 day's and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Trees Fruit or Nut	Beet and southern armyworms, Tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado Potato beetles, cabbage loopers.	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.
Almonds	Navel orange worms, peach twig borers,	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	plum curculio, red banded leaf rollers, rosyapple aphids, spotted tentiform leaf miners, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth.	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears	pear psyllid, green fruitworms, and codling moth.	Apply when needed Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.



CENOL
INCORPORATED
P.O. Box 472
Twinsburg, OH 44087

CHEM•tox™

CENOL 0.25% MULTIPURPOSE INSECTICIDE

CHEM•tox™
CENOL 0.25%
MULTI PURPOSE INSECTICIDE

• **FOR DOMESTIC USE INDOORS and OUTDOORS**

- FOR LIVESTOCK AND PREMISE USE R-EADY-TO-USE
- FOR CONTROL OF HOUSEHOLD PESTS.
- DILUTE FOR USE ON VEGETABLES AND FRUIT AND NUT TREES. • FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS
- FOR CONTROL OF PESTS ON LIVESTOCK
- With COUNTRY FRESH FRAGRANCE
- PROVIDES 60-DAY (TWO MONTHS)
- CONTROL OF FLEAS PROVIDES 60-DAY (TWO MONTHS).
- CONTROL OF STORED PRODUCT PESTS

EPA REG. NO. 45385-87 EPA EST. NO. 56--OH-01

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of the manner of use and other factors beyond CTX/ Cenol, Inc. control, it is impossible for CTX Cenol, Inc. to eliminate all risks associated with the use of this product. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL.

No agent of CTX Cenol, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. CTX Cenol, Inc. disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT CTX CENOL, Inc. ELECTION, THE REPLACEMENT OF PRODUCT.

In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-472-0660.

Net Contents: : 1 Gallon / 3.785 Liters



CENOL
 INCORPORATED
 P.O. Box 472

Twinsburg, OH 44087

ACCEPTED
with COMMENTS
In EPA Letter Dated
JUN 15 2004
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under EPA Reg. No.
45385-87



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

January 9, 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

H.R. MCLANE
H.R. MCLANE, INC.
CTX-CENOL, INC.
7210 RED ROAD, SUITE 206A
MIAMI, FL 33143-

PRODUCT NAME: CENOL 0.25% MULTIPURPOSE INSECTICIDE
COMPANY NAME: CTX-CENOL, INC.
EPA FILE SYMBOL: 45385-98
EPA RECEIPT DATE: 01/07/04

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Registration Division, Risk Management Team 13, at (703) 305-6100.

Sincerely,

A handwritten signature in blue ink that reads "J. Wrice".

Front End Processing Staff
Information Services Branch
Information Resources and Services Division

INDEX

REGISTRANT

CTX-CENOL INCORPORATED
P.O. BOX 472
TWINSBURG, OH 44087

SUBJECT

AMENDMENT FOR PR NOTICES 2001-1 & 6
ALSO OTHER MINOR AMENDMENTS - SEE HI-LITES AND LETTER

PRODUCT NAME

CENOL 0.24% MULTIPURPOSE INSECTICIDE
EPA REG. NO. 54385-98

A.I. 0.256% PERMETHRIN

PAGE

INDEX 1
3 PAGE LETTER to: MR. GEORGE T. LARocca..PM-13 ... 2
EPA FORM 8570-1 - AMENDMENT... #45385-98..... 3
5 COPIES OF THE 3 PAGE LABEL. 4,5,6

- a. RETURN POSTCARD; EPA ACKNOWLEDGEMENT OF RECEIPT.
b. TWO RETURN H. R. MCLANE, INC. ADDRESS STICKERS.

DEC 3 0 2003



H. R. McLANE, INC.

7210 Red Road, Suite 206 - Miami, Florida 33143-5321
Phone 305 661 1706 - Fax 305 661 3036
Chemical Consultants in EPA Regulatory Affairs
FIFRA Licensing & Registrations- Since 1956

PAGE 2 OF
Cover ltr page 1 of 3

DEC 30, 2003

MR. GEORGE T. LARocca PM-13
DOCUMENT PROCESSING DESK (AMEND)
OFFICE OF PESTICIDE PROGRAMS (7505C)
ENVIRONMENTAL PROTECTION AGENCY
ARIEL RIOS BUILDING
1200 PENNSYLVANIA, AVE. N.W.
WASHINGTON, D. C. 20460-0001

Registrant: EPA REG. NO.45385-98
CTX CENOL INCORPORATED; EPA EST. NO. 45385
P.O. BOX 472 - TWINSBURG, OH 44087

Subject: TO ADD "FIRST AID" AND STORAGE DISPOSAL COPY TO COMPLY
WITH PR NOTICE #2001-1 AND PRN 2001-6 AS HI-LITED.
AND CERTAIN OTHER MINOR AMENDMENTS AS IN THE FOLLOWING OUTLINE
AND AS LITED ON THE LABEL.

Product: "CENOL 0.25% MULTIPURPOSE INXECTICIDE.
EPA REG. NO.45385-98

DEAR MR. LARocca:

Enclosed you will find the following information to
process this amendment for the above listed product.

INDEX	1
COVER LETTER to MR. GEORGE T. LARocca PM-13.....	2
EPA FORM 8570-1 (AMEND) (EPA REG NO. 45385-98.....	3
5 COPIES OF THE 3 PAGE AMENDED LABEL.	4,5,6

We hi-lite the new FIRST AID statement and other changes
in this label. We follow with comments concerning the
other minor amendment changes which have been made in
this label as submitted or to comply with the last
EPA ACCEPTED labeling for this product dated OCT 17, 2000.

Compliance with your comments No. 1 through NO. 3
outlined in your ACCEPTANCE etter dated OCT 27, 2000.

1. We will submit necessary data to support this product's
continued registrations in the future as needed.
2. a. We have added the product registrtrion number to the label.

MR. GEORGE T. LARocca PM-13

Product: "CENOL 0.25% MULTIPURPOSE INSECTICIDE.
EPA REG. NO.45385-98

- b. We have moved the specific dog precautions previously in the HAZARDS TO HUMANS AND DOMESTIC ANIMALS section to the section for use of the product on dogs; right column bottom, label page 1 of 3.
2. c. We have added the phrase " Allow all surfaces to thoroughly dry before remaking bed"to the "BEDBUG" paragraph. P,1 LEFT COLUMN.
- d. We have deleted the term Cole Crops on page 2 of 3 of this label in the chart under the REMARKS column for those crops and have listed the crops as: in that section; Broccoli, Brussels Sprouts and Cauliflower in the second sentence in that section of REMARKS.
- e. We have added the phrase (equal to 11 fluid ounce in 1 gallon of water)" to the 4 different positions on page 2 of 3. hi-lited.
- f. We have added the following "comment" phrase to the DIRECTIONS FOR USE section. "Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with insecticides". at the top of the left panel 3rd sentence page 1 of 3.
3. The Finished labeling was previously submitted.

OTHER MINOR CHANGES MADE IN THE LABEL PAGE 1 OF 3

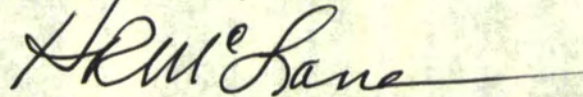
1. The CAS number has been added after the word : Permethrin in the INGREDIENT STATEMENT, as may be done, and is outlined and instructed to be done in PR NOTICE 97-5. with the revmoval of the imperical chemical name.
2. The revised "FIRST AID" section at the top of the right panel of page 1 of 3 conforms to PR NOTICE 2001-1,
3. THE STORAGE AND DISPOSAL section at the bottom of the center panel oage `1 of 3 complies with PR NOTICE 2201-1 for residential use of the product and we have added copy for the disposal of containers larger than 1 gallon.

AMENDMENT 45385-69.... TO PM -13

Cover letter Page 3 of 3

4. We have changed the vegetable name "dick" from the chart PAGE 2 OF 3 under vegetables since we believe that it should be "dock" which follows the word "dandelion" under the Leafy Vegetable section.

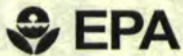
Sincerely
H. R. McLANE, INC.



H. R. McLane, Ph.D.... Agent for
MR. BART BAKER - VICE PRESIDENT.

HRM/nb/ encl: as above. cc/BB/CTXCENOL

2553



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☒ Amendment
☐ Other

EPA
Registration No.
45385-98

Page 3 of 6

Application for Pesticide Section I For PR Notices 2001-1&6 Date: Dec .22, 03

1. Company / Product Number: 45385-98	2. EPA Product Manager Mr. George T. LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company Product Name CHEM-tox™ CENOL 0.25% MULTIPURPOSE INSECTICIDE	PM Number - 13	
5. Name and address of Applicant: (Include Zip Code) CTX Cenol Corporation P.O. Box 472 Twinsburg, OH, 44078 <input type="checkbox"/> Check if this is a new address	6. Expedite Review. In accordance with FIFRA Section 3(c)(3) (b)(i), My product is similar or identical in composition and labeling to: _____ EPA Reg. No. <u>N/A</u> Product Name: <u>N/A</u>	

Section II

<input checked="" type="checkbox"/> Amendment- Explain below (PRN's 2001-1 & 2001-6)	Final Printed Labels in response to _____
<input type="checkbox"/> Resubmission in response to Agency Letter Dated: _____	Me Too Applications,
<input type="checkbox"/> Notification - Explain Below	Other Explain below

Explanation: Use additional pages if necessary (For Section I and Section II)

This is a label amendment to include the copy from PR NOTICES #2001-1 and #2001-6 as Hi-Lited in yellow. Please stamp ACCEPTED on one copy of this amended label and return for our further, immediate use.

Section III

1. Material This Product will be packed in:		2. Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging Wgt. _____ No. Per Container _____	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging Wgt. _____ No. Per Container _____	<input checked="" type="checkbox"/> Metal (Poly Lined) <input checked="" type="checkbox"/> Plastic HDPE (Fluorine treated) <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other "BAREX"	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container	4. Size(s) Retail Container 1 Qt. 1: 2 1/2: 5: Gallon	5. Location of label directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> Label accompanying product	
6. Manner in which label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper Glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other			

Section IV

Contact Point (Complete items below for Identification of individual to be contacted if necessary to process this application.)

Name: **H. R. McLane, Inc.** Title: **Agent 305-661-1706** Telephone No. (Include Area code)
7210 Red Rd. suite 206A miami, FL 33143 **CTX Cenol Corporation** **1-800-321-3421**

Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application received (Stamped) DEC 30 2003
2. Signature: By H. R. McLane 	3. Title Agent	
4. Typed Name of registrant Mr. Benjamin Baker; President CTX Cenol Corporation	5. Date DEC 30 2003	

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes. Food utensils such as teaspoons and measuring cups should not be used for food after using with insecticides.

SHAKE WELL BEFORE USING

INDOOR APPLICATION FOR HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors. Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING.

FOR 60 DAY (TWO MONTHS) CONTROL OF COCK ROACHES, WATER BUGS, PALMETTO BUGS, SCORPIONS,

MILLIPEDES, CENTIPEDES, SOW-BUGS, PILLBUGS, ANTS, SILVER-FISH, FIREBRATS, SPIDERS, BEETLES, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry.

TO CONTROL CARPET BEETLES:

Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment as needed.

TO CONTROL BEDBUGS:

Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed. Allow all surfaces to thoroughly dry before remaking bed.

TO CONTROL FLEAS: (ADULTS and LARVAE) and**TICKS: (ADULTS and LARVAE):**

Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment as needed. Allow to dry thoroughly before allowing pets to contact treated areas.

CHEM^otox[™]

CENOL 0.25%

MULTI PURPOSE INSECTICIDE

• FOR DOMESTIC USE INDOORS and OUTDOORS

- FOR LIVESTOCK AND PREMISE USE..... **READY-TO-USE**
- FOR CONTROL OF HOUSEHOLD PESTS.
- FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS
- FOR CONTROL OF PESTS ON LIVESTOCK
- With COUNTRY FRESH FRAGRANCE
- PROVIDES 60 DAY (TWO MONTHS)
- CONTROL OF FLEAS PROVIDES 60 DAY (TWO MONTHS).
- CONTROL OF STORED PRODUCT PESTS
- **DILUTE FOR USE** ON VEGETABLES and FRUIT AND NUT TREES.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STOP: Read Label Before Use

See side panels for additional Precautionary Statements.

ACTIVE INGREDIENT:

Permethrin CAS[52645-53-1] - - - - 0.25%

OTHER INGREDIENTS: - - - - 99.75%

Total 100.00%

EPA REG. NO. 45385-98 EPA EST. NO. 45385--OH-01

Net Contents: 1 Gallon / 3.785 Liters

READ ENTIRE LABEL BEFORE EACH USE

PET USE APPLIES TO USE ONLY ON DOGS

Order Code 0-312

PRECAUTIONARY STATEMENTS**Hazards To Humans & Domestic Animals**

CAUTION: Wash thoroughly after handling and before smoking or eating. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry.

Environmental Hazards

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

STORAGE: Store this product in its original container in a dry, cool, secured area out of reach of children. Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE DISPOSAL: As a responsible environmental practice, where possible, it is recommended that all of the contents of the container be used, carefully following label directions and precautions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL Containers larger than 1 gallon- **Metal:** -Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. **Plastic:** - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned stay out of smoke.

IF EMPTY: Do not reuse this container. Place in trash or offer for recycling if available.

IF PARTLY FILLED: Call your local waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. **SPILL:** In case of spill, absorb liquid with absorbent material such as soil or clay etc. Place absorbed spill in a labeled container and dispose of according to PESTICIDE DISPOSAL directions above. (12-30-03)

FIRST AID

IF SWALLOWED: - Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: - Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

Have this product container or label with you when calling a poison control center, or doctor, or when going for treatment.

You may also call 1-800-858-7378 for emergency medical treatment advice.

INDOOR DIRECTIONS FOR USE

TO KILL LICE AND LOUSE EGGS: Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Allow all treated particles to dry thoroughly before use.

LIVESTOCK PESTS

Ready To Use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

ON LIVESTOCK: To protect cattle (beef and dairy), Goats, sheep, hogs, and horses from Horn Flies, Face Flies, House Flies, Mosquitoes, and Gnats, apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

TO CONTROL STABLE FLIES, HORSE FLIES, AND DEER FLIES: Apply at a rate of 2 ounces per adult animal sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOODSUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

ON DOGS: TO CONTROL FLEAS,

TICKS, AND LICE: Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. **Ready To Use.** Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure the spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary.

DO NOT USE ON CATS OR KITTENS.

CENOL
INCORPORATED
P.O. Box 472
Twinsburg, OH 44087

OUTDOOR APPLICATION**TO HELP CONTROL TICKS IN OUTDOOR**

ACTIVITY AREAS: Ready To Use. Affix trigger, pump, or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACE OF

BUILDINGS: To temporarily control House Flies, Mosquitoes, Cluster Flies, Gnats, and Flying Moths. For outdoor use only as an aid in reducing annoyance from these insects.

DILUTE BEFORE USING. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use.

ORNAMENTAL FLOWER GARDENS

Ready To Use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles, hit by spray as well as "Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites, and Leafminers. May be used on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading into large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, euonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias. Effective when used as directed against "Whiteflies, Aphids, Spiders" and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms. When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: Pine Moths, Pine Needle Miners, Pine Beetles, and Needle Scales on pine; Budworms on conifers; Oakworms on oak; Fall Webworms on cherry, elm and honeysuckle; Aphids on tulip poplar; Citrus blackflies on non-bearing citrus; Tussock Moths on Douglas and grand Fir; Elm Leaf Beetles and Elm Spanworms on elms. Flush sprayer with clean water after each use.

FOR HOME VEGETABLE GARDENS

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water; (equal to 11 fluid ounces in 1 gallon of water). Spray upper and lower leaf surfaces as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row; (13 ounces of diluted mixture per 100 square feet.) Flush sprayer with clean water after each use.

HOME OWNER GROWN FRUIT AND NUT TREES

Dilute before using. Use a clean sprayer. Carefully measure and mix 1 fluid ounce in 12 fluid oz.s of water; (equal to 11 fluid ounces in 1 gallon of water). Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use. 12-30-03.

VEGETABLE	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms, Asparagus beetle	Sprays plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery, see LEAFY VEGETABLES COLE CROPS, Broccoli, Brussels Sprouts, Cabbage, Cauliflower.	Beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper.	Apply every 5 days or as needed. Can be applied up to one day prior to harvest Do not make more than 10 applications on cabbage and not more than 8 applications on Broccoli, Brussels Sprouts, & Cauliflower per season.
Corn - see Sweet Corn. below CUCURBITS: Balsam pear, (bitter melon), Chinese waxgourd (Chinese preserving melon), citrus melon, cucumber, Gherkin, Edible gourds. Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon. Eggplant	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, Leafminers, melon worms, pickleworms, plant bugs, and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.
Horseradish	Colorado potato beetles, vegetable leafminers.	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Leafy Vegetables Amaranth, arugula, celery, lettuce, chervil, corn salad, chrysanthemum, (edible- leaved and garland) cress (garden and upland), dandelion, dock, endive, fennel, lettuce (head & leaf) orach, parsley, purslane (garden and winter), rhubarb, Spinach, Swiss chard, Melons - See Cucurbits	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
Potatoes	Alfalfa loopers, aphids, beet armyworms, cabbage looper, corn earworms, cutworms, European corn borer, fall armyworms, green cloverworm, southern armyworms, tobacco budworms, vegetable leafminers.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Peppers	Beet armyworms, Colorado Potato beetles, potato beetles, potato leafhoppers, potato aphids, Potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	Spray plants as needed. Do not make more than 12 applications per season. Can be applied up to 7 prior to harvest.
Sweet Corn	Vegetable Leafminers, Cabbage loopers, Flea Beetles, Corn earworms, southern armyworms, pepper weevils, European Corn Borers.	Spray plants as needed. Do not make more than 8 applications per season. Can be applied up to 3 days prior to harvest.
Tomatoes: Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.	Corn earworms, European Corn Borer, Fall armyworms, Southern Armyworms.	Spray plants every 5 day's and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
TREES Fruit or Nut Almonds	Beet and southern armyworms, Tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado Potato beetles, cabbage loopers.	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.
Apples	Navel orange worms, peach twig borers,	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Peaches	plum curculio, red banded leaf rollers, rosyapple aphids, spotted tentiform leaf miners, tarnished plant bugs, white apple leafhoppers, oblique banded leafrollers, green fruitworms, codling moth.	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Pears	Lesser peach tree borers, peach twig borers, plum curculios, tarnished plant bugs, green fruitworms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
	pear psyllid, green fruitworms, and codling moth.	Apply when needed Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.



CENOL
INCORPORATED
P.O. Box 472
Twinsburg, OH 44087

CHEM-tox™

CENOL 0.25% MULTIPURPOSE INSECTICIDE

CHEM•tox™
CENOL 0.25%
MULTI PURPOSE INSECTICIDE

• **FOR DOMESTIC USE INDOORS and OUTDOORS**

- **FOR LIVESTOCK AND PREMISE USE R-EADY-TO-USE**
- **FOR CONTROL OF HOUSEHOLD PESTS.**
- **DILUTE FOR USE ON VEGETABLES AND FRUIT AND NUT TREES. • FOR CONTROL OF FLEAS & BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS.**
- **CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS**
- **FOR CONTROL OF PESTS ON LIVESTOCK**
- **With COUNTRY FRESH FRAGRANCE**
- **PROVIDES 60-DAY (TWO MONTHS)**
- **CONTROL OF FLEAS PROVIDES 60-DAY (TWO MONTHS).**
- **CONTROL OF STORED PRODUCT PESTS**

EPA REG. NO. 45385-87 EPA EST. NO. 56--OH-01

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of the manner of use and other factors beyond CTX/ Cenol, Inc. control, it is impossible for CTX Cenol, Inc. to eliminate all risks associated with the use of this product. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR-OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL.

No agent of CTX Cenol, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. CTX Cenol, Inc. disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT CTX CENOL, Inc. ELECTION, THE REPLACEMENT OF PRODUCT.

In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-472-0660.

Net Contents: : 1 Gallon / 3.785 Liters


CENOL
 INCORPORATED
 P.O. Box 472
 Twinsburg, OH 44087



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

45385-98

Date of Issuance:

OCT 27 2000

NOTICE OF PESTICIDE:

 x Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Cenol 0.25%
Multipurpose
Insecticide

Name and Address of Registrant (include ZIP Code):

CTX/Cenol, Inc.
2146 Enterprise Parkway, Units A & B
Twinsburg, Ohio 44087

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 45385-98.

b. Move the specific dog precautions from the precautionary statements section to the directions for dogs.

c. Add the following to end of paragraph under bedbugs, ✓
"Allow to thoroughly dry before remaking bed."

Signature of Approving Official:

Date:

d. Delete the term cole crops. Just list the individual crops. /

e. Add in parenthesis (11 fl. ounces in one gallon of water) following all the dilution rates. ✓

f. Under directions for use add " Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with insecticides." N

3. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosure

CENOL 0.25% MULTIPURPOSE INSECTICIDE

- ❖ FOR DOMESTIC USE BOTH INDOORS AND OUTDOORS.
- ❖ FOR LIVESTOCK AND PREMISE USE
- ❖ READY-TO-USE FOR CONTROL OF HOUSEHOLD PESTS
- ❖ DILUTE FOR USE ON VEGETABLES AND FRUIT AND NUT TREES
- ❖ FOR CONTROL OF FLEAS, BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS
- ❖ CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS
- ❖ FOR CONTROL OF PESTS ON LIVESTOCK
- ❖ WITH COUNTRY FRESH FRAGRANCE
- ❖ PROVIDES 60-DAY (TWO MONTHS) CONTROL OF FLEAS ✓
- ❖ PROVIDES 60-DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS ✓

ACTIVE INGREDIENT:

*Permethrin.....0.25%

OTHER INGREDIENTS.....99.75%
100.00%

*(3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethyl) 2,2-dimethylcyclopropanecarboxylate.
Cis/trans ratio: min. 35% (+/-) cis and max. 65% (+/-) trans.

EPA REG. NO. 45385-

EPA EST. NO. 45385-OH-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side Panel For Additional Precautions.

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

45385-98

NET CONTENTS:

READ ENTIRE LABEL BEFORE EACH USE
PET USE APPLIES TO USE ONLY ON DOGS

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION

Wash thoroughly after handling and before smoking or eating. Avoid contaminations of feed and foodstuffs. Remove pets and birds and cover fish aquaria before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry.

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

Environmental Hazards

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

SHAKE WELL BEFORE USING

INDOOR APPLICATION

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors.

Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING: FOR 60-DAY (TWO MONTHS) CONTROL OF: COCKROACHES, WATERBUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES,

RUST, RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment as needed.

TO CONTROL BEDBUGS: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed.

TO CONTROL FLEAS (ADULTS AND LARVAE) AND TICKS (ADULTS AND LARVAE): Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment as needed. Allow to dry thoroughly before allowing pets to contact treated areas.

TO CONTROL CLOTHES MOTHS: Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints, and crevices. After airing infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.

TO KILL LICE AND LOUSE EGGS: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all treated particles to dry thoroughly before use.

LIVESTOCK PESTS

Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

ON LIVESTOCK: To protect cattle (beef and dairy), goats, sheep, hogs and horses from *Horn Flies*, *Face Flies*, *House Flies*, *Mosquitoes*, and *Gnats*. Apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

TO CONTROL STABLE FLIES, HORSE FLIES AND DEER FLIES: Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOOD-SUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

ON DOGS: TO CONTROL FLEAS, TICKS, AND LICE: Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary. DO NOT USE ON CATS OR KITTENS.

OUTDOOR APPLICATION

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY AREAS: Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACE OF BUILDINGS: To temporarily control *House Flies*, *Mosquitoes*, *Cluster Flies*, *Gnats*, and *Flying Moths*. For outdoor use only as an aid in reducing annoyance from these insects.

Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water. Using dilute mixture, spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use.

ORNAMENTAL FLOWER GARDENS

Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.

For use on roses, dahlias, asters and other ornamentals to kill *Japanese Beetles*, hit by spray as well as *Whiteflies*, *Aphids*, *Exposed Thrips*, *Spiders*, *Red Mites* and *Leafminers*. May be used on plants as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, eunonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against *Whiteflies*, *Aphids*, *Spider and Red Mites*, *exposed Thrips*, *Lace Bugs*, *Japanese Beetles*, *Pavement Ants*, *Clover Mites* and *Armyworms*.

When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME: Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water. Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: *Pine Moths*, *Pine Needle Miners*, *Pine Beetles*, and *Needle Scales* on pine; *Budworms* on conifers; *Oakworms* on oak; *Fall Webworms* on cherry, elm and honeysuckle; *Aphids* on tulip poplar; *Citrus black flies* on non-bearing citrus; *Tussock Moths* on Douglas and grand firs; *Elm Leaf Beetles* and *Elm Spanworms* on elms. Flush sprayer with clean water after each use.

FOR HOME VEGETABLE GARDENS: Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water. Spray upper and lower leaf surface as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row (13 ounces of diluted

mixture per 100 square feet.) Flush sprayer with clean water after each use.

VEGETABLE	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms asparagus beetle	Spray plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest.
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery - see leafy vegetables		
Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Beet armyworm; diamond back moth; imported cabbage-worm; cabbage aphid, cabbage looper	Apply every 5 days or as needed. Can be applied up to one day prior to harvest. Do not make more than 10 applications on cabbage and 8 applications on the other cole crops.
Corn - see sweet corn		
Cucurbits: Balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), Citrus melon, cucumber, Gherkin, Edible gourds, Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, leafminers, melonworms, pickleworms, plant bugs and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.
Eggplant	Colorado potato beetles, vegetable leaf miners	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Horseradish	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
Leafy Vegetables: Amaranth, arrugula, celery, celtuce, chervil, corn salad, chrysanthemum (edible-leaved and garland), cress (garden and upland), dandelion, dick, endive, fennel, lettuce (head & leaf), orach, parsley, purslane (garden and winter), rhubarb, spinach, Swiss chard	Alfalfa loopers, aphids, beet army-worms, cabbage loopers, corn earworms, cutworms, European corn borers, fall armyworm green, cloverworms, southern armyworms, tobacco budworms, vegetable leaf miners.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Melons - see Cucurbits		
Potatoes	Beet armyworms, Colorado potato beetles, potato beetles, potato leafhoppers.	Spray plants as needed. Do not make more than 12 applications. Can be applied up to 7 days

	potato aphids, potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	prior to harvest.
Peppers	Vegetable leafminers, cabbage loopers, flea beetles, corn earworms, pepper weevils, European corn borers	Spray plants as needed. Do not make more than 8 applications. Can be applied up to 3 days prior to harvest.
Sweet Corn	Corn earworms, European corn borers, fall armyworms, southern armyworms	Spray plants every 5 days and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes (Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter)	Beet and southern armyworms, tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado potato beetles, cabbage loopers	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.

HOME OWNER GROWN FRUIT AND NUT TREES:

Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water. Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use.

TREES (Fruit or Nut)	TARGET PEST(S)	REMARKS
Almonds	Navel orange worms, peach twig borers	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	plum curculio, red-banded leafrollers, rosy apple aphids, spotted tentiform leafminers, tarnished plant bugs, white apple leafhoppers, oblique-banded leafrollers, green fruitworms	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peachtree borers, peach twig borers, plum curculio, tarnished plant bugs, green fruit worms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears	pear psylla, green fruitworms and codling moths.	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.

IMPORTANT: READ BEFORE USE

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LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT CTX/CENOL, Inc. ELECTION, THE REPLACEMENT OF PRODUCT.

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In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-472-0660.

CENOL 0.25% MULTIPURPOSE INSECTICIDE

- ❖ FOR DOMESTIC USE BOTH INDOORS AND OUTDOORS. ✓
- ❖ FOR LIVESTOCK AND PREMISE USE ✓
- ❖ READY-TO-USE FOR CONTROL OF HOUSEHOLD PESTS ✓
- ❖ DILUTE FOR USE ON VEGETABLES AND FRUIT AND NUT TREES ✓
- ❖ FOR CONTROL OF FLEAS, BROWN DOG TICKS AND LICE ON PREMISES AND ON DOGS ✓
- ❖ CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS ✓
- ❖ FOR CONTROL OF PESTS ON LIVESTOCK ✓
- ❖ WITH COUNTRY FRESH FRAGRANCE ✓
- ❖ PROVIDES 60-DAY (TWO MONTHS) CONTROL OF FLEAS ✓
- ❖ PROVIDES 60-DAY (TWO MONTHS) CONTROL OF STORED PRODUCT PESTS ✓

ACTIVE INGREDIENT:

*Permethrin.....0.25%

OTHER INGREDIENTS.....99.75%
100.00%

*(3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate.
Cis/trans ratio: min. 35% (+/-) cis and max. 65% (+/-) trans.

EPA REG. NO. 45385-01

EPA EST. NO. 45385-OH-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side Panel For Additional Precautions.

NET CONTENTS:

READ ENTIRE LABEL BEFORE EACH USE
PET USE APPLIES TO USE ONLY ON DOGS

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION

Wash thoroughly after handling and before smoking or eating. Avoid contaminations of feed and foodstuffs. Remove pets and birds and cover fish aquaria before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry.

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

Environmental Hazards

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

SHAKE WELL BEFORE USING

INDOOR APPLICATION

HOUSEHOLD PESTS: For spot application only. Do not use as a space spray indoors.

Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING: FOR 60-DAY (TWO MONTHS) CONTROL OF: COCKROACHES, WATERBUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES,

RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For Silverfish, spray bookcases. For Ants, spray ant trails, nests and points of entry.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment as needed.

TO CONTROL BEDBUGS: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed.

TO CONTROL FLEAS (ADULTS AND LARVAE) AND TICKS (ADULTS AND LARVAE): Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Repeat treatment as needed. Allow to dry thoroughly before allowing pets to contact treated areas.

TO CONTROL CLOTHES MOTHS: Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints, and crevices. After airing infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.

TO KILL LICE AND LOUSE EGGS: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all treated particles to dry thoroughly before use.

LIVESTOCK PESTS

Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

ON LIVESTOCK: To protect cattle (beef and dairy), goats, sheep, hogs and horses from *Horn Flies*, *Face Flies*, *House Flies*, *Mosquitoes*, and *Gnats*. Apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

TO CONTROL STABLE FLIES, HORSE FLIES AND DEER FLIES: Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

TO CONTROL BLOOD-SUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

TO CONTROL POULTRY LICE: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

TO CONTROL BEDBUGS AND MITES IN POULTRY HOUSES: Spray crevices of roost poles, cracks in walls, and cracks in nests where the Bedbugs and Mites hide.

ON DOGS: TO CONTROL FLEAS, TICKS, AND LICE: Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and under body. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Avoid contact with genitalia. Repeat application every two weeks if necessary. DO NOT USE ON CATS OR KITTENS.

OUTDOOR APPLICATION

TO HELP CONTROL TICKS IN OUTDOOR ACTIVITY AREAS: Ready to use. Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container. Treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

PESTS ON THE OUTDOOR SURFACE OF BUILDINGS: To temporarily control *House Flies*, *Mosquitoes*, *Cluster Flies*, *Gnats*, and *Flying Moths*. For outdoor use only as an aid in reducing annoyance from these insects.

Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water. Using dilute mixture, spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use.

ORNAMENTAL FLOWER GARDENS

Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.

For use on roses, dahlias, asters and other ornamentals to kill *Japanese Beetles*, hit by spray as well as *Whiteflies*, *Aphids*, *Exposed Thrips*, *Spiders*, *Red Mites* and *Leafminers*. May be used on plants as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, eunonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against *Whiteflies*, *Aphids*, *Spider and Red Mites*, *exposed Thrips*, *Lace Bugs*, *Japanese Beetles*, *Pavement Ants*, *Clover Mites* and *Armyworms*.

When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

ORNAMENTAL TREES AROUND THE HOME: Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water. Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: *Pine Moths*, *Pine Needle Miners*, *Pine Beetles*, and *Needle Scales* on pine; *Budworms* on conifers; *Oakworms* on oak; *Fall Webworms* on cherry, elm and honeysuckle; *Aphids* on tulip poplar; *Citrus black flies* on non-bearing citrus; *Tussock Moths* on Douglas and grand firs; *Elm Leaf Beetles* and *Elm Spanworms* on elms. Flush sprayer with clean water after each use.

FOR HOME VEGETABLE GARDENS: Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of Cenol 0.25% Multipurpose Insecticide and 12 fluid ounces of water. Spray upper and lower leaf surface as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture per 100 linear feet of row (13 ounces of diluted

mixture per 100 square feet.) Flush sprayer with clean water after each use.

VEGETABLE	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	Cutworms asparagus beetle	Spray plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest.
Asparagus (post-harvest)	Larval stages of asparagus beetle; tarnished plant bugs, lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery – see leafy vegetables		
Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Beet armyworm; diamond back moth; imported cabbage-worm; cabbage aphid, cabbage looper	Apply every 5 days or as needed. Can be applied up to one day prior to harvest. Do not make more than 10 applications on cabbage and 8 applications on the other cole crops.
Corn – see sweet corn		
Cucurbits: Balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), Citrus melon, cucumber, Gherkin, Edible gourds, Melons including hybrids such as cantaloupe, casaba, Crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon	Aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, leafminers, melonworms, pickleworms, plant bugs and squash bugs.	Spray plants as needed to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.
Eggplant	Colorado potato beetles, vegetable leaf miners	Spray plants as needed to ensure uniform coverage. Do not make more than 16 applications. Can be applied up to 3 days prior to harvest.
Horseradish	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
Leafy Vegetables: Amaranth, arrugula, celery, celtuce, chervil, corn salad, chrysanthemum (edible-leaved and garland), cress (garden and upland), dandelion, dick, endive, fennel, lettuce (head & leaf), orach, parsley, purslane (garden and winter), rhubarb, spinach, Swiss chard	Alfalfa loopers, aphids, beet army-worms, cabbage loopers, corn earworms, cutworms, European corn borers, fall armyworm green, cloverworms, southern armyworms, tobacco budworms, vegetable leaf miners.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Melons – see Cucurbits		
Potatoes	Beet armyworms, Colorado potato beetles, potato beetles, potato leafhoppers,	Spray plants as needed. Do not make more than 12 applications. Can be applied up to 7 days

	potato aphids, potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs.	prior to harvest.
Peppers	Vegetable leafminers, cabbage loopers, flea beetles, corn earworms, pepper weevils, European corn borers	Spray plants as needed. Do not make more than 8 applications. Can be applied up to 3 days prior to harvest.
Sweet Corn	Corn earworms, European corn borers, fall armyworms, southern armyworms	Spray plants every 5 days and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes (Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter)	Beet and southern armyworms, tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado potato beetles, cabbage loopers	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond CTX/Cenol, Inc. control, it is impossible for CTX/Cenol, Inc. to eliminate all risks associated with the use of this product. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of CTX/Cenol, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. CTX/Cenol, Inc. disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT CTX/CENOL, Inc. ELECTION, THE REPLACEMENT OF PRODUCT.

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In case of Medical emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-472-0660.

TREES (Fruit or Nut)	TARGET PEST(S)	REMARKS
Almonds	Navel orange worms, peach twig borers	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.
Apples	plum curculio, red-banded leafrollers, rosyapple aphids, spotted tentiform leafminers, tarnished plant bugs, white apple leafhoppers, oblique-banded leafrollers, green fruitworms	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	Lesser peachtree borers, peach twig borers, plum curculio, tarnished plant bugs, green fruit worms, Oriental fruit worms.	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears	pear psylla, green fruitworms and codling moths.	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.

IMPORTANT: READ BEFORE USE



451934-00

August 2, 2000

Office of Pesticide Programs (H7504C)
US ENVIRONMENTAL PROTECTION AGENCY
Ariel Rios Building
1200 Pennsylvania Ave., N.W.
Washington, DC 20460

SUBJECT: Cenol 0.25% Multipurpose Insecticide
EPA File Symbol No. 45385 -98
Initial Registration Submission

Dear Mr. G. LaRocca:

Enclosed is CTX/Cenol, Inc. Application for Pesticide Registration of the subject product, which contains Permethrin as the active ingredients. This submission includes the following:

1. Application Form
2. AES Letter of Authorization
3. Formulator's Exemption Statement
4. Certification with Respect to Citation of Data
5. Confidential Statement of Formula
6. Data Matrix
7. Proposed Product Labeling (5 copies)
8. Volume 1 - Product Chemistry Data (3 copies)

45193401

This product is substantially similar to Aventis Environmental Science's EPA's Reg. No. 432-1183. We are choosing the Selective Method of Support for this submission.

Please advise if you have any additional questions or require further information.

Sincerely,

Bart Baker
V.P.

August 2, 2000

Office of Pesticide Programs (H7504C)
US ENVIRONMENTAL PROTECTION AGENCY
Ariel Rios Building
1200 Pennsylvania Ave., N.W.
Washington, DC 20460

SUBJECT: Cenol 0.25% Multipurpose Insecticide
; EPA File Symbol No. 45385 - 98
Initial Registration Submission

Dear Mr. G. LaRocca:

Enclosed is CTX/Cenol, Inc. Application for Pesticide Registration of the subject product, which contains Permethrin as the active ingredients. This submission includes the following:

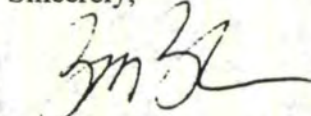
1. Application Form
2. AES Letter of Authorization
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5. Confidential Statement of Formula
6. Data Matrix
7. Proposed Product Labeling (5 copies)
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45193401

This product is substantially similar to Aventis Environmental Science's EPA's Reg. No. 432-1183. We are choosing the Selective Method of Support for this submission.

Please advise if you have any additional questions or require further information.

Sincerely,



Bart Baker
V.P.

JUN 18 1999

Ms. Diana Williams
AgrEvo Environmental Health
95 Chestnut Road
Montvale, NJ 07645

Dear Ms. Williams:

Subject: Amendment - add indoor ornamental plants, outdoor surface of buildings, ornamental trees around the home, home vegetable gardens and homeowner grown fruit and nut trees
Permanone Insect Killer R4
EPA Registration No. 4816-756
Your Submission Dated November 17, 1998

The product referred to above will be acceptable for registration under FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below:

- a. On the front panel add for "For Livestock and Premise Use".

- b. Add under Directions For Use "Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes."

- c. Delete the section "Ornamental Plants-Indoors". This requires dilution and is conflicting with using ready to use from original container directions.

3. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

 **AgrEvo**
PERMANONE®
INSECT KILLER R4

- ❖ *For Domestic Use Both Indoors and Outdoors*
- ❖ *Ready-To-Use for Control of Household Pests*
- ❖ *Dilute for Use on Vegetables and Fruit and Nut Trees*
- ❖ *For Control of Fleas, Brown Dog Ticks and Lice on Premises and on Dogs*
- ❖ *Controls Fleas and Ticks on dogs for 14 Days*
- ❖ *For Control of Pests on Livestock*
- ❖ *With Country Fresh Fragrance*
- ❖ *Provides 60-Day (Two Months) Control of Cockroaches*
- ❖ *Provides 60-Day (Two Months) Control of Fleas*
- ❖ *Provides 60-Day (Two Months) Control of Stored Product Pests*

ACTIVE INGREDIENT:

*Permethrin 0.25%
OTHER INGREDIENTS: 99.75%
100.00%

*(3-phenoxyphenyl) methyl (+/-) *cis/trans* 3-(2,2-dichloroethenyl) 2,2-di-methylcyclopropanecarboxylate. *Cis/trans* ratio: min. 35% (+/-) *cis* and max. 65% (+/-) *trans*.

ERMANONE – Registered Trademark of AgrEvo Environmental Health, Inc.

EPA REG. NO. 4816-756

EPA EST. NO.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Side Panel For Additional Precautions

NET CONTENTS:

AgrEvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645

**ACCEPTED
with COMMENTS
in EPA Letter Dated**

6/28/99

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

4816-756

pt25ndorn 11/17/98

PRECAUTIONARY STATEMENTS
Hazards to Humans & Domestic Animals
CAUTION

Wash thoroughly after handling and before smoking or eating. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surface is dry.

Do not use on dogs under 12 weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals.

Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

Environmental Hazards

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

SHAKE WELL BEFORE USING.

INDOOR APPLICATION

Household Pests: For spot application only. Do not use as a space spray indoors.

Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.

SURFACE SPRAYING: FOR 60-DAY (TWO MONTHS) CONTROL OF: COCKROACHES, WATERBUGS, PALMETTO BUGS, SCORPIONS, MILLIPEDES, CENTIPEDES, SOWBUGS, PILLBUGS, ANTS, SILVERFISH, FIREBRATS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, DRUGSTORE BEETLES, MEAL WORMS, GRAIN MITES AND CADELLES: Direct the spray into hiding places, cracks and crevices and behind shelves and drawers. For *Silverfish*, spray bookcases. For *Ants*, spray trails, nests and points of entry.

TO CONTROL CARPET BEETLES: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving. Repeat treatment as needed.

TO CONTROL BEDBUGS: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Repeat treatment as needed.

TO CONTROL FLEAS (ADULTS AND LARVAE) AND TICKS (ADULTS AND LARVAE): Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal

quarters following treatment. Repeat treatment as needed. Allow to dry thoroughly before allowing pets to contact treated areas.

TO CONTROL CLOTHESMOTHS: Remove any infested articles from storage, brush thoroughly and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.

TO KILL LICE AND LOUSE EGGS: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, and then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry-cleaned. Allow all treated particles to dry thoroughly before use.

Livestock Pests

Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.

On Livestock: To protect cattle (beef and dairy), goats, sheep, hogs and horses from Horn Flies, Face Flies, Houseflies, Mosquitoes and Gnats. Apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

To Control Stable Flies, Horse Flies and Deer Flies: Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

To Control Blood-Sucking Lice: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

To Control Poultry Lice: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

To Control Bedbugs and Mites in Poultry Houses: Spray crevices of roost poles, cracks in walls and cracks in nests where the Bedbugs and Mites hide.

On Dogs, to Control Fleas, Ticks and Lice:

Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.

Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Do not spray into eyes or face. Avoid contact with genitalia. Repeat application every two weeks, if necessary. **DO NOT USE ON CATS OR KITTENS.**

ORNAMENTAL PLANTS

Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of PERMANONE and 12 fluid ounces of water. Spray dilute mixture as directed. Flush sprayer with clean water after each use.

Use sufficient spray to obtain full coverage of all foliage. Adjust the amount of spray volume used to the size of the plant(s) being treated. To protect plants in indoor landscaping, spray directly on insects to kill leafrollers, armyworms, cutworms and cabbageworms on chrysanthemums and fungus gnats on velvet plants. Spray as directed above to control aphids, armyworms, corn earworms, fall cankerworms, inchworms, Japanese beetles, leafminers, leafrollers, mealybugs, scale crawlers, spider mites, spring cankerworms, whiteflies and exposed thrips on the following plants:

Ageratum	English ivy	Poinsettia
Ardisia	Fuschia	Portulaca
Aster	Gladiolus	Pothos
Azalea	Grape ivy	Prayer plant
Baby's breathe	Hypoestes	Purple passion
Begonia	Ivy	Rabbits foot fern
birds-next fern	Juniper	Rose
Bleeding heart	Lily	Schefflera
Carnation	Marigold	Snapdragon
Chrysanthemum		Snake plant
Coleus	Palm	Statice
Crown of thorns	Pansy	Velvet plant
Cockscomb	Piperomia	Verbena
	Petunia	Zinnia
Dracaena	Philodendron	
Dumbcane	Piggy-back plant	

If application is made indoors, remove infested plants from living area prior to application. Spray plants in an area not likely to be occupied by children or pets (particularly fish). When leaves dry, plants can be returned to original location.

Use with care on ferns, palms and fuschia. As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars, and therefore, a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours and check for possible injury.

Repeat applications may be necessary to control citrus blackflies on non-bearing citrus and adult Japanese beetles on roses.

OUTDOOR APPLICATION

To help control ticks in outdoor activity areas: Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.

Treat a band of vegetation and leaf litter 6 - 10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

Pests on the Outdoor Surface of Buildings: To temporarily control *house flies, mosquitoes, cluster flies, gnats and flying moths*. For outdoor use only as an aid in reducing annoyance from these insects.

Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of PERMANONE and 12 fluid ounces of water. Using dilute mixture, spray pests on outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages and other places where these insects alight or congregate. Repeat as necessary. Flush sprayer with clean water after each use.

ORNAMENTAL FLOWER GARDENS:

Ready to use. Affix trigger, pump or other type of sprayer to container for application. Do not transfer to another container.

For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles hit by spray as well as Whiteflies, aphids, Exposed Thrips, Spiders, Red Mites and Leafminers. May be used on plants as a multi-purpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, geraniums, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against Whiteflies, Aphids, Spider and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Armyworms.

When spraying plants, do not operate closer than 10 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90° F. Contact insects directly whenever possible. Repeat treatment as infestations occur.

Ornamental Trees Around the Home: Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of PERMANONE and 12 fluid ounces of water. Using dilute mixture, use sufficient spray to obtain full coverage of all foliage. Avoid heavy wetting. Use to control: **Pine Moths, Pine Needle Miners, Pine Beetles and Needle Scales** on pine; Budworms on conifers; **Oakworms** on oak; **Fall Webworms** on cherry, elm and honeysuckle; Aphids on tulip poplar; **Citrus black flies** on non-bearing citrus; **Tussock Moths** on Douglas and grand firs; **Leafminers** on birch; **Elm Leaf Beetles** and **Elm Spanworms** on elms. Flush sprayer with clean water after each use.

Home Vegetable Gardens: Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of PERMANONE and 12 fluid ounces of water. Spray upper and lower leaf surface as directed. Use sufficient spray to obtain full coverage of all foliage, but do not spray to the point of runoff. Apply no more than 13 ounces of dilute mixture over 100 linear feet of row (13 ounces of diluted mixture per 100 square feet.) Flush sprayer with clean water after each use.

VEGETABLE	TARGET PESTS	REMARKS
Asparagus (pre-harvest)	cutworms asparagus beetle	Spray plants as needed to ensure uniform coverage. Do not make more than 4 applications. Can be applied up to 3 days prior to harvest.
Asparagus (post-harvest)	larval stages of asparagus beetle; tarnished plant bugs; lygus bugs and adult Japanese beetles.	Treat fern or bush growth after spear harvest when insects are present.
Celery - see leafy vegetables		
Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	beet armyworm; diamond back moth; imported cabbageworm; cabbage aphid, cabbage looper	Apply every 5 days or as needed. Can be applied up to one day prior to harvest. Do not make more than 10 applications on cabbage and 8 applications on the other cole crops.
Corn - see sweet corn		
Cucurbits: Balsam pear(bitter melon), Chinese waxgourd (Chinese preserving melon), Citrus melon, cucumber, Gherkin, Edible gourds, Melons including hybrids such as cantaloupe, casaba, crenshaw, honeydew, honey balls, mango melon, muskmelon, and Persian melon, pumpkin, summer & winter squash, watermelon	aphids, cabbage loopers, cucumber beetles (adults), cutworms, leafhoppers, leafminers, melonworms, pickleworms, plant bugs and squash bugs.	Spray plants as need to ensure uniform coverage. Do not make more than 8 applications per crop. Can be applied up to the day of harvest.

Eggplant	Colorado potato beetles, vegetable leaf miners	Spray plants as needed to ensure uniform coverage. Do make more than 16 applications. Can be applied up to 3 days prior to harvest.
Horseradish	Imported crucifer weevils	Spray as needed. Do not make more than 3 foliar applications. Can be applied up to 22 days prior to harvest.
Leafy Vegetables: amaranth, arrugula, celery, celtuce, chervil, corn salad, chrysanthemum (edible-leaved and garland), cress (garden and upland), dandelion, dick, endive, fennel, lettuce (head & leaf), orach, parsley, purslane (garden and winter), rhubarb, spinach, Swiss chard	alfalfa loopers, aphids, beet armyworms, cabbage loopers, corn earworms, cutworms, European corn borers, fall armyworm, green cloverworms, southern armyworms, tobacco budworms, vegetable leaf miners.	Spray every 5 to 10 days as needed. Do not make more than 7 applications per crop. Can be applied up to 1 day prior to harvest.
Melons - see Cucurbits		
Potatoes	beet armyworms, Colorado potato beetles, potato beetles, potato leafhoppers, potato aphids, potato tuberworms, cabbage loopers, cutworms, European corn borers, potato psyllids, tarnished plant bugs	Spray plants as needed. Do not make more than 12 applications. Can be applied up to 7 days prior to harvest.
Peppers	vegetable leafminers, cabbage loopers, flea beetles, corn earworms, pepper weevils, European corn borers	Spray plants as needed. Do not make more than 8 applications. Can be applied up to 3 days prior to harvest.
Sweet Corn	corn earworms, European corn borers, fall armyworms, southern armyworms	Spray plants every 5 days and when needed. Do not make more than 6 applications per season. Can be applied up to 1 day prior to harvest.
Tomatoes (Do not spray on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter)	beet and southern armyworms, tomato pinworms, tomato fruitworms, hornworms, granulate cutworms, Colorado potato beetles, cabbage loopers	Spray plants when needed for uniform coverage. Do not make more than 6 applications per season. Can be applied up to date of harvest.

Home Owner Grown Fruit and Nut Trees:

Dilute before using. Use clean sprayer. Carefully measure and mix 1 fluid ounce of PERMANONE and 12 fluid ounces of water. Apply dilute mixture to trees until foliage is dripping wet. Make sure to spray the undersides of leaves and into dense foliage. Flush sprayer with clean water after each use.

Trees (Fruit or Nut)	Target Pest(s)	Remarks
Almonds	navel orange worms, peach twig borers	Apply when insects appear. Do not make more than 2 applications during the period when the outer hull of the almond has started to open. Do not make more than 5 applications per season. Can be applied up to 7 days prior to harvest.

Apples	plum curculio, redbanded leafrollers, rosy apple aphids, spotted tentiform leafminers, tarnished plant bugs, white apple leafhoppers, oblique-banded leafrollers, green fruitworms.	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.
Peaches	lesser peachtree borers, peach twig borers, plum curculio, tarnished plant bugs, green fruit worms, Oriental fruit moths	Apply when insects appear. Do not apply within 7 days of harvest. Do not make more than 8 applications per season.
Pears	pear psylla, green fruitworms and codling moths.	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.

In case of **Medical** emergencies or health and safety inquiries or in case of fire, leaking or damaged containers, information may be obtained by calling 1-800-472-0660.

For Product Information Call Toll-Free:
1-800-331-2867

Notice: Buyer assumes all responsibility for safety and use not in accordance with directions.

AgrEvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645

DATE OUT: 14/SEP/2000

SUBJECT: PRODUCT CHEMISTRY REVIEW OF MP [] EP [X]
DP BARCODE No.: D268627 REG./File Symbol No.: 45385-OI
PRODUCT NAME: Cenol 0.25% Multipurpose Insecticide

FROM: Dr. Shyam Mathur, Chemist
Product Chemistry Team
Technical Review Branch/RD (7505C)

S Mathur
9/14/00

TO: Arnold Layne, PM 03
Insecticide Branch/RD(7505C)

INTRODUCTION:

The registrant has submitted the product chemistry data to support the registration of the subject product. the registrant claims that the subject product is substantially similar to the registered product with Reg. No. 432-1183.

SUMMARY OF FINDINGS:

1. The subject product contains [REDACTED]
[REDACTED]
product label claim of 0.25%.
2. The CSF for the basic formulation(dated 08-07-00)is filled out correctly and completely and is in compliance with PR Notice 91-2 and agree with the label claim nominal concentration. The data submitted corresponding to the guideline reference 830.1550(Product Identity)and 830.1750(Certified limits)satisfy the data requirements of 40CFR§158.155 and 158.175 respectively.
3. The data submitted corresponding to the guideline reference 830.1650(Description of formulation process)and 830.1670(Discussion on the formation of impurities) satisfy the data requirements of 40CFR158.165 and 158.167 respectively.
4. The data was cited(Reg. No. 432-1183)corresponding to the guideline reference 830.1800(Enforcement of analytical method) satisfy the data requirements of 40CFR§158.180.
5. Since the subject product was determined to be identical in chemical composition with the registered product(Reg. No. 432-1183), the data corresponding to 830 Series Subgroup B(Phy/Chem Properties)is not required

CONCLUSIONS:

The TRB has reviewed the product chemistry data submitted for the subject product and has concluded that:

1. The CSF for the basic formulation (dated 08-07-00) is filled out correctly and completely and is in compliance with PR Notice 91-2 and agree with the label claim nominal concentration. The data submitted corresponding to the guideline reference 830.1550 (Product Identity) and 830.1750 (Certified limits) satisfy the data requirements of 40CFR§158.155 and 158.175 respectively. The CSF for basic formulation is acceptable.
2. The data submitted corresponding to the guideline reference 830.1650 (Description of formulation process) and 830.1670 (Discussion on the formation of impurities) satisfy the data requirements of 40CFR 158.165 and 158.167 respectively and are acceptable.
3. The data cited (Reg. No. 432-1183) corresponding to the guideline reference 830.1800 (Enforcement of analytical method) satisfy the data requirements of 40CFR§158.180 and is acceptable.
4. The subject product was determined to be identical in chemical composition with the registered product having Reg. No. 432-1183.
5. Since the subject product was determined to be identical in chemical composition with the registered product (Reg. No. 432-1183), the data corresponding to 830 Series Subgroup B (Phy/Chem Properties) is not required.

PRODUCT CHEMISTRY REVIEW OF MP ☐ EP ☒
 DP BARCODE No.: D268627 REG./File Symbol No.: 45385-OI
 PRODUCT NAME: Cenol 0.25% Multipurpose Insecticide
 DATE: 09-14-00

1. Reviewer: S.B.Mathur 2. Company: CTX-Cenol Incorporation
3. Type of Submission: Registration ☒ Reregistration ☐
 New ☒ Resubmission ☐ Amendment ☐ "ME-TOO" ☒
 Alternate Formulation ☐ Experimental Use Permit ☐
 Other (Specify) _____
4. If "Me-TOO" Registration, this product is ☒ is not ☐
 Identical to EPA's Reg. No.: 432-1183 in chemical composition.
 If not, comment in Confidential Appendix A on the differences between the registered and the new source where significant

CONFIDENTIAL STATEMENT OF FORMULA

5. Type of formulation and the sources of active ingredients:
 • Non-integrated formulation system..... ☒
 • Are all technical grade active ingredients used registered?
 • yes ☐ • no ☒, If no, specify _____
 • Integrated formulation system..... ☐
6. Clearance of intentionally added ingredients in the formulation for the intended use (indicate in the Confidential Appendix those that are not cleared; the PC Codes should be provided by the chemist on the CSF for those that are cleared):
- 6(a) Formulation intended for food use under 40CFR§180.1001:
 • yes ☒ • no ☐ • Some are cleared, others are not ☐
 Cleared under list: • c ☐ • d ☒ • e ☐
 Are there any limitations for use as an inert under 40CFR§180.1001?
 • yes ☐ • no ☐, If yes, specify _____
- 6(b) Formulation intended for non-food use:
 • yes ☐ • no ☒ • Some are cleared, others are not ☐
- 6(c) Clearance by the FDA of certain formulations under 21CFR§170 to 199. Examples: (a) indirect food additives, such as food contact surface sanitizers; adhesives, coatings, paper and paperboard products that may contact food in packaging or holding; and (b) substances generally recognized as safe (GRAS).
 • yes ☐ • no ☐ • Some are cleared, others are not ☐
 If yes, the entire formulation is cleared under 21CFR§_____

7. The density, pH, and flammability values given on the CSF are identical with those of GRN 830.7300 (density), 830.7000 (pH), and 830.6315 (Flammability), respectively:
 • yes [X] • no []
8. The nominal concentrations (NC) of the active ingredients and the upper and lower certified limits (UCL & LCL) are as follows:

Active ingredient(s)	% by weight		
	NC	UCL	LCL
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	(0.25)	(0.28)	(0.23)

9. The calculated NCs, based on the pure active ingredients (PAI), are identical to those on the label:
 • yes [X] • no []
10. The certified limits are within the standard limits as per 40CFR§158.175 or are adequately explained if different:
 • yes [X] • no []

PRODUCT LABEL

11. The chemical names of the active ingredients on the label are identical to those on the CSF: • yes [X] • no []
12. The appropriate physical and chemical hazards statement regarding flammability or explosive characteristics of the product are given on the label:
 • yes [X] • no [] • not applicable []
13. The storage and disposal instructions for the pesticide and container are in compliance with PR Notice 84-1 for household use products or PR Notice 83-3 for all other uses:
 • yes [X] • no []

PRODUCT CHEMISTRY DATA (SERIES 830 Subgroup A & Subgroup B)

<u>14. Chemical IDs/Manufacture/ Analytical Information</u> New Guideline:830.--	<u>Data Required Fulfilled</u>	<u>MRID No.</u>
1550. Chemical Identity(CSF)	Y	08-07-00
1600. Beginning Materials 1650. Formulation Process	Y Y	451934-01
1670. Discussion of Impurities	Y	451933-01
1700. Preliminary Analysis	NA	
1750. Certified Limits(CSF)	Y	08-07-00
1800. Enforcmnt. of Anal.Method	Cited	Reg. No. 432-1183

<u>15. Physical/Chemical Properties</u> New Guideline No. 830.---	<u>Data Required Fulfilled</u>	<u>Value or Qualitat. Descrip.</u>	<u>MRID No.</u>
6303. Physical State	Y		Cited Reg. No. 432-1183
7300. Density/Bulk Den.	Y	8.33 lbs/gal	CSF
7000. pH	Y	6-8	" "
6314. Oxid/Red Action	Y		
6315. Flamm.-Flsh Pt.	Y	200°F	" "
6315. Flame Exten.	NA		
6316. Explodability	NA		
6317. Storage Stablty.	PR 92-5		
7100. Viscosity	Y		" "
6319. Miscibility	NA		
6320. Corrosion Charac	Y		" "
6321. Dielec.Bkd.Vltg	NA		

Explanations: Y = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable;
G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.



United States
Environmental Protection Agency
Washington, DC 20460

☒ Registration
☐ Amendment
☐ Other

OPP Identifier Number

222277

Application for Pesticide - Section I

1. Company/Product Number 45385-01 98	2. EPA Product Manager G. LaRocca	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Cenol 0.25% Multipurpose Insecticide	PM# 13 03	
5. Name and Address of Applicant (Include ZIP Code) CTX/Cenol, Inc. 2146 Enterprise Pkwy., Units A & B Twinsburg, OH 44087 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 432-1183 Product Name Permanone Insect Killer R4	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input checked="" type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container PT, QT, 1/2 Gallon, 1 Gallon	5 Gallon	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Bart Baker	Title Vice President	Telephone No. (Include Area Code) 330-405-6830	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 	3. Title Vice President		
4. Typed Name Bart Baker	5. Date 8/8/00		

PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

PAPERWORK REDUCTION ACT NOTICE: Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

INSTRUCTIONS: This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

Submission of Labeling - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels must be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

Submission of Data - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

SPECIFIC INSTRUCTIONS: Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

Block A - Check the appropriate action for which you are submitting this form.

SECTION I - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

SECTION II - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

SECTION III (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

SECTION IV (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "one-to-one" reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.

Formulator's Exemption Statement

Applicant's Name and Address:

CTX/Cenol, Inc.

2146 Enterprise Pkwy, Units A & B

Twinsburg, OH 44087

EPA File Symbol/Registration Number: 45385-01

Product Name: Cenol 0.25% Multipurpose Insecticide

Date of Confidential Statement of Formula: 8/7/00

As an authorized representative of the applicant for registration of the product identified above, I hereby certify that:

(1) This product contains the following active ingredient(s):

Permethrin

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the incorporation into the product (during formulation or packaging) of another product which contains that active ingredient, which is registered under FIFRA Section 3, and which is purchased by us from another product.

(3) Indicate by checking (A) or (B) below which paragraph applies:



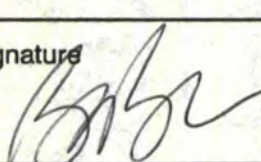
(A) An accurate Confidential Statement of Formula (EPA Form 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR



(B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Active Ingredient	Source	
	Product Name	Registration Number
Permethrin	[REDACTED]	[REDACTED]
Signature 	Name and Title Bart Baker Vice President	Date 8/7/00



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number CTX/Cenol, Inc. 2146 Enterprise Pkwy, Twinsburg, OH 44087	EPA Registration Number/File Symbol 45385-01
Active Ingredient(s) and/or representative test compound(s) Permethrin	Date 8/7/00
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Pets and Domestic Animals. Household.	Product Name Cenol 0.25% Multipurpose Insecticide

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

8/7/00

Typed or Printed Name and Title

Bart Baker Vice President



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date 8/7/00

EPA Reg No./File Symbol 45385 - 0Z

Page 1 of 3

Applicant's/Registrant's Name & Address

CTX/Cenol, Inc. 2146 Enterprise Pkwy, Units A & B, Twinsburg, OH 44087

Product

Cenol 0.25% Multipurpose Insecticide

Ingredient Permethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Chemistry 158.150 61-1	Chemical Identity	See CSF			
61-2	Begin, Materials & Manufacturing Process				
61-3	Discussion of Formation of Impurities				
62-1	Preliminary Analysis	NA	NA	FOR	
62-2	Certification of Ingredient Limits	See CSF			
62-3	Analytical Method to Verify Certified Limits	4816-696	Aventis Environmental Science		
63-2	Color	4816-696	Aventis Environmental Science		
63-3	Physical State	4816-696	Aventis Environmental Science		
63-4	Odor	4816-696	Aventis Environmental Science		
63-5	Melting Point	NA	NA	FOR	
63-6	Boiling Point	NA	NA	FOR	
63-7	Density, Bulk Density or Specific Gravity	4816-696	Aventis Environmental Science		

Signature

Name and Title

Bart Baker Vice President

Date

8/7/00



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date 8/7/00	EPA Reg No./File Symbol 45385-02	Page 2 of 3
Applicant's/Registrant's Name & Address CTX/Cenol, Inc. 2146 Enterprise Pkwy, Units A & B, Twinsburg, OH 44087		Product Cenol 0.25% Multipurpose Insecticide

Ingredient **Permethrin**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-8	Solubility	NA	NA	FOR	
63-9	Vapor Pressure	NA	NA	FOR	
63-10	Dissociation Constant	NA	NA	FOR	
63-11	Octanol/Water Partition Coefficient	NA	NA	FOR	
63-12	pH	4816-696	Aventis Environmental Science		
63-13	Stability	NA	NA	FOR	
63-14	Oxidizing/Reducing Action	4816-696	Aventis Environmental Science		
63-15	Flammability	4816-696	Aventis Environmental Science		
63-16	Explosibility				1
63-17	Storage Stability	4816-696	Aventis Environmental Science		
63-18	Viscosity	4816-696	Aventis Environmental Science		
63-19	Miscibility	4816-696	Aventis Environmental Science		

Signature 	Name and Title Bart Baker Vice President	Date 8/7/00
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date **8/7/00** EPA Reg No./File Symbol **45385-01** Page 3 of 3

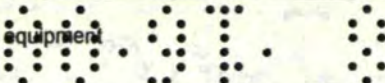
Applicant's/Registrant's Name & Address
CTX/Cenol, Inc. 2146 Enterprise Pkwy, Units A & B, Twinsburg, OH 44087

Product
Cenol 0.25% Multipurpose Insecticide

Ingredient **Permethrin**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
63-20	Corrosion Characteristics	4816-696	Aventis Environmental Science		
63-21	Dielectric Breakdown Voltage				2
Toxicology 158.340 81-1	Acute Oral LD ₅₀ - Rat	41851701	Aventis Environmental Science		
81-2	Acute Dermal LD ₅₀ - Rat/Rabbit	41851702	Aventis Environmental Science		
81-3	Acute Inhalation LC ₅₀ - Rat	41851703	Aventis Environmental Science		
81-4	Primary Eye Irritation - Rabbit	41851704	Aventis Environmental Science		
81-5	Primary Dermal Irritation	41851705	Aventis Environmental Science		
81-6	Dermal Sensitization	41851706	Aventis Environmental Science		
81-7	Acute Delayed Neurotoxicity - Hen				3

1 - Will not explode
 2 - Not for use around electrical equipment
 3 - Not an organophosphate



Signature  Name and Title **Bart Baker Vice President** Date **8/7/00**

Aventis Environmental Science



June 20, 2000

Office of Pesticide Programs (H7504C)
US ENVIRONMENTAL PROTECTION AGENCY
Ariel Rios Building
1200 Pennsylvania Ave., N.W.
Washington, DC 20460

Re: Authorization Letter

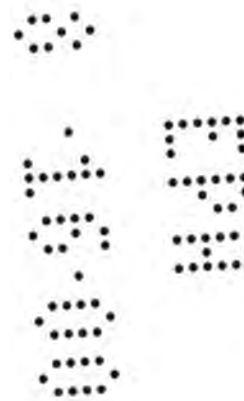
Dear Sir:

Aventis Environmental Science, Montvale, New Jersey authorizes the U.S. Environmental Protection Agency to review all data on file for Permanone Insect Killer R4, EPA Reg. No. 432-1183, former EPA Reg. No. 4816-756, to support the product registration of CTX Cenol, 2146 Enterprise Parkway, Twinsburg, OH 44087 for Cenol 0.25% Multipurpose Insecticide.

This authorization is qualified to the extent however that: (1) the applicant or any other person except your Agency shall not have access to said data unless specifically authorized in writing by Aventis Environmental Science, or when in the opinion of your Agency it is required in judicial or administrative proceedings; (2) this authorization shall not be construed as authorization to use or consider said data, directly or indirectly, in support of any subsequent application; and (3) this authorization shall not be transferred by the applicant in any manner whatsoever without express prior consent of Aventis Environmental Science and (4) this authorization shall expire on June 30, 2003 further use of the data will require authorization by Aventis Environmental Science.

Sincerely,

Edie Mooney
Registration Specialist





August 2, 2000

Office of Pesticide Programs (H7504C)
US ENVIRONMENTAL PROTECTION AGENCY
Ariel Rios Building
1200 Pennsylvania Ave., N.W.
Washington, DC 20460

SUBJECT: Cenol 0.25% Multipurpose Insecticide
EPA File Symbol No. 45385-01
Initial Registration Submission

Dear Mr. G. LaRocca:

Enclosed is CTX/Cenol, Inc. Application for Pesticide Registration of the subject product, which contains Permethrin as the active ingredients. This submission includes the following:

1. Application Form
2. AES Letter of Authorization
3. Formulator's Exemption Statement
4. Certification with Respect to Citation of Data
5. Confidential Statement of Formula
6. Data Matrix
7. Proposed Product Labeling (5 copies)
8. Volume 1 - Product Chemistry Data (3 copies)

This product is substantially similar to Aventis Environmental Science's EPA's Reg. No. 432-1183. We are choosing the Selective Method of Support for this submission.

Please advise if you have any additional questions or require further information.

Sincerely,

A handwritten signature in blue ink, appearing to read "Bart Baker", is written over a white rectangular area.

Bart Baker
V.P.

